

DEPARTMENT OF THE NAVY  
JUSTIFICATION OF ESTIMATES  
FY 1992/FY 1993 BUDGET ESTIMATES



SUBMITTED TO CONGRESS FEBRUARY 1991

PROCUREMENT

PROCUREMENT, MARINE CORPS

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Statement A, per phonecon with Wes McNeill,  
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#### PROCUREMENT, MARINE CORPS

For expenses necessary for the procurement, manufacture, and modification of missiles, armament, ammunition, military equipment, spare parts, and accessories therefor; plant equipment, appliances, and machine tools, and installation thereof in public and private plants; Reserve plant and Government and contractor-owned equipment layaway; vehicles for the Marine Corps, including purchase of not to exceed 45 passenger motor vehicles for replacement only; and expansion of public and private plants; including land necessary therefor, and such lands and interests therein, may be acquired and construction prosecuted thereon prior to approval of title; (\$719,141,000) \$1,039,400,000, to remain available for obligation until September 30, (1993) 1994, of which \$33,800,000, shall be available only for the Marine Corps Reserve.

Further, for the foregoing purposes, including the purchase of not to exceed 46 passenger motor vehicles for replacement only, \$650,900,000, to become available for obligation on October 1, 1992 and to remain available for obligation until September 30, 1995, of which \$19,900,000 shall be available for the Marine Corps Reserve (10 U.S.C. 5013, 7201; Department of Defense Appropriations Act, 1991; additional authorizing legislation to be proposed.)

SUMMARY OF REQUIREMENTS  
(In Thousands of Dollars)

	<u>FY 1990 Actual</u>	<u>FY 1991 Estimate</u>	<u>FY 1992 Estimate</u>	<u>FY 1993 Estimate</u>
Ammunition	226,056	253,350	526,211	149,971
Weapons and Combat Vehicles	398,221	44,426	30,377	33,603
Guided Missiles and Equipment	11,055	16,255	17,872	55,978
Communications/Electronics Equipment	253,836	193,774	229,688	217,180
Support Vehicles	20,496	28,382	77,078	69,183
Engineer and Other Equipment	126,075	103,361	75,983	55,411
Spares and Repair Parts	63,995	50,000	82,191	69,574
Total Direct Program	<u>1,099,734</u>	<u>689,548</u>	<u>1,039,400</u>	<u>650,900</u>
Reimbursable Program	<u>25,627</u>	<u>27,300</u>	<u>5,200</u>	<u>5,300</u>
Total Program Requirements	1,125,361	716,848	1,044,600	656,200

Budget Activity 1: Ammunition

(In Thousands of Dollars)	
FY 1993 Estimate	\$149,971
FY 1992 Estimate	\$526,211
FY 1991 Estimate	\$253,350
FY 1990 Estimate	\$226,056

Purpose and Scope of Work

This activity provides for the Marine Corps' annual training needs and the acquisition of war reserve stocks for use in the event of mobilization. Munitions included in the request include tank and artillery rounds, mortar and small arms ammunition, pyrotechnic devices, and other ammunition items.

Justification of Funds

The FY 1992 ammunition program of \$526.2 million, which will continue to buy towards requirements established in the Defense Guidance, funds the following: \$24.8 million for 5.56mm Ammo, All Types; \$40.7 million for 7.62mm Ammo, All Types; \$6.4 million for Linear Charges, All Types; \$38.3 million for .50 Cal Ammo; \$107.5 million for 40mm Ammo, All Types; \$36.7 million for 60mm Ammo; \$41.6 million for 81mm Ammo; \$78.9 million for 120mm Ammo; \$40.2 million for 155mm, ADAM-S, Projectile Ammo; \$53.0 million for 155mm M864 Projectile Baseburners; \$5.3 million for Light Anti-Armor Weapon; \$18.3 million for 25mm Ammo; \$14.7 million for Grenades, All Types; \$10.2 million for Ammo Modernization; and \$9.6 million for Items Less Than \$2 million.

The FY 1993 ammunition program of \$150.0 million funds the following programs: \$22.1 million for 5.56mm Ammo, All Types; \$10.8 million for 7.62mm Ammo, All Types; \$7.8 million for Linear Charges, All Types; \$7.1 million for 50 Cal Ammo; \$36.6 million for 40mm Ammo, All Types; \$6.5 million for 60mm Ammo; \$23.0 million for 81mm Ammo; \$1.0 million for 105mm Ammo; \$10.7 million for 25mm Ammo; \$7.6 million for Grenades, All Types; \$10.2 million for Ammo Modernization; and \$5.7 million for Items Less Than \$2 million.

Budget Activity 2: Weapons and Tracked Combat Vehicles

(In Thousands of Dollars)	
FY 1993 Estimate	\$ 33,603
FY 1992 Estimate	\$ 30,377
FY 1991 Estimate	\$ 44,426
FY 1990 Estimate	\$398,221

Purpose and Scope of Work

This activity supports procurement of armored and amphibious vehicles, artillery, and small arms. It also supports acquisition of weapons, tracked combat vehicles, and associated equipment and modification kits.

Justification of Funds

The FY 1992/1993 request for Weapons and Tracked Combat Vehicles totals \$30.4 million and \$33.6 million, respectively. Each of the major items contained in this request is summarized below:

AAV7A1 PIP - \$12.3 million in FY 1992 and \$17.0 million in FY 1993 is requested to provide the AAV7A1 family of vehicles more reliable and serviceable components and to enhance the vehicles' operational capability.

Modification Kits (Tracked Vehicles) - \$1.0 million in FY 1992 and \$1.2 million in FY 1993 is requested for the procurement of modification kits for the product improvement of the Light Armored Vehicle (LAV). \$1.0 million in FY 1992 is requested for the procurement of 500 LAV Improved Brake Systems and 43 Tank External Auxiliary Power Units. \$1.2 million in FY 1993 is for the procurement of 46 LAV Ambulance Kits and 42 Tank External Auxiliary Power Units.

Items Less Than \$2 Million (Tracked Vehicles) - \$.2 million in FY 1992 is for the procurement of 112 M1A1 Tow Bars which provide like-vehicle towing capability for expedient and effective recovery in both peacetime and combat conditions.

Modification Kits (Artillery & Other) - \$.6 million in FY 1992 and \$.4 million in FY 1993 will fund the procurement of modification kits and components for the product improvement of individual and crew-served infantry weapons.

Items Less Than \$2 Million (All Other) - \$.3 million in FY 1992 and \$.2 million in FY 1993 is requested for the procurement of Rifle Team Equipment (RTE) Items and Explosive Ordnance Disposal (EOD) Equipment.

M2 Machine Gun, 50 Cal - \$2.4 million in FY 1992 is requested for M2 Machine Guns, 50 Cal. which are employed in the combat, combat support and combat service support elements in both offensive and defensive operations.

M60E3 Product Improvement Program (PIP) - \$8.4 million in FY 1992 and \$8.5 million in FY 1993 is requested for the procurement of modification kits intended to rectify documented deficiencies on the M60 Machine Guns. The kits consist of a new barrel, forward grip assembly, bipod, buttstock, and sling swivel. These enhancements will provide for a more durable, reliable, combat-effective weapon.

Shoulder-launched Multipurpose Assault Weapon 83MM (SMAW) MOD 1 - \$6.3 million is requested in FY 1993.

MK-19 Mod 3, Machine Gun, 40MM - \$5.2 million in FY 1992 is requested for the procurement of MK-19 machine guns. This system will substantially increase the organic firepower of all Marine combat, combat support and combat service support units.

Budget Activity 3: Guided Missiles and Equipment

(In Thousands of Dollars)	
FY 1993 Estimate	\$55,978
FY 1992 Estimate	\$17,872
FY 1991 Estimate	\$16,255
FY 1990 Estimate	\$11,055

Purpose and Scope of Work

This activity supports procurement of surface-to-air guided missiles, surface-to-surface anti-tank guided missiles, and related ground support equipment. Funds requested are required to support continuing efforts to enhance the air defense and anti-tank/assault capabilities of Marine Corps forces. The Department of the Army is the contracting agency for the HAWK Modification Kits and the Pedestal Mounted Stinger (PMS).

Justification of Funds

The FY 1992/1993 request for the Guided Missiles and Equipment budget activity is \$17.9 million and \$56.0 million, respectively. The major items contained in this request are summarized below:

HAWK Modification Kits - \$8.7 million is requested in FY 1992 and \$4.5 million in FY 1993 to support various product improvements for the HAWK Weapons System which significantly enhance reliability and maintainability, improve countermeasure capability, and modify automatic test equipment and test program sets for the HAWK anti-aircraft missile.

Advanced Antitank Weapon System - Medium (AAWS-M) - \$4.0 million in FY 1992 and \$39.7 million in FY 1993 is for the procurement of the Advanced Antitank Weapon System - Medium (AAWS-M). The AAWS-M will provide the Marine Corps with a replacement for the Dragon weapon system. The AAWS-M will provide increased reliability, higher hit/kill probability and greater effective range against current and future armored threats.

Pedestal Mounted Stinger (PMS) - \$5.2 million is requested in FY 1992 and \$11.8 million in FY 1993 for the procurement of the Pedestal Mounted Stinger (PMS) which is a lightweight, highly mobile, gun-missile hybrid mounted on a High Mobility Multipurpose Wheeled Vehicle. It will be used to provide close-in, low altitude air defense of the MAGTF. Utilizing state of the art technology in Forward Looking Infra-Red (FLIR) and Laser Range Finder (LRF) systems, Pedestal Mounted Stinger revolutionizes the concept of operations for Stinger gunners by providing eight ready to fire missiles for rapid, shoot on the move, day or night, all weather engagement capability.



Budget Activity 4: Communications and Electronics Equipment

(In Thousands of Dollars)	
FY 1993 Estimate	\$217,180
FY 1992 Estimate	\$229,688
FY 1991 Estimate	\$193,774
FY 1990 Estimate	\$253,836

Purpose and Scope of Work

This activity supports acquisition of communications and electronic systems essential to the conduct of modern amphibious warfare. Programs involved include tactical radios and equipment, telephone and teletype equipment, command and control systems, radars and radar equipment, intelligence/communications equipment, repair and test equipment, and modification kits.

Justification of Funds

The FY 1992 request totals \$229.7 million and includes the following telecommunications equipment: \$.4 million for Manpack Radios and Equipment; \$39.3 million for Vehicle Mounted Radios & Equipment; \$12.7 million for Unit Level Circuit Switch (ULCS); \$50.2 million for Sincgars Radio System; \$15.6 million for test equipment, modification kits and items costing less than \$2 million.

The FY 1992 request for non-telecommunications equipment includes the following: \$7.9 million for Position Location Reporting System (PLRS); \$7.3 million for Marine Tactical Command and Control System (MTACCS); \$50.4 million for intelligence related support equipment, modification kits and other intelligence items costing less than \$2 million; \$9.5 million for Night Vision Equipment; \$16.3 million for Automatic Data Processing Equipment (ADP); \$20.1 million for test, analysis, maintenance and calibration equipment, modification kits and items costing less than \$2 million.

The FY 1993 request totals \$217.2 million and includes the following telecommunications equipment: \$5.3 million for Vehicle Mounted Radios & Equipment; \$10.1 million for AN/GRC-XXX Have Quick Radio Set; \$2.0 million for AN/TPS-96 Pip Fleet Satellite Communication Terminal; \$7.4 million for Unit Level Circuit Switch (ULCS); \$43.7 million for Sincgars Radio System; \$11.5 million for test equipment, modification kits and items costing less than \$2 million.

The FY 1993 request for non-telecommunications equipment includes the following: \$6.9 million for Advance Tactical Air Command Central (ATACC); \$4.5 million for Marine Tactical Command and Control System (MTACCS); \$18.2 million for Joint Service Imagery Processing System (JSIPS); \$38.1 million for intelligence related support equipment, modification kits and other intelligence items costing less than \$2 million; \$14.5 million for Night Vision Equipment; \$16.2 million for Automatic Data Processing Equipment (ADP); \$38.8 million for test, analysis, maintenance and calibration equipment, modification kits and items costing less than \$2 million.

Budget Activity 5: Support Vehicles

(In Thousands of Dollars)	
FY 1993 Estimate	\$ 69,183
FY 1992 Estimate	\$ 77,078
FY 1991 Estimate	\$ 28,382
FY 1990 Estimate	\$ 20,496

Purpose and Scope of Work

This activity supports procurement of commercial passenger and cargo vehicles required to support Marine Corps facilities operations, and tactical vehicles required by deployable operations and support forces. Included in the category of commercial passenger and cargo vehicles are: sedans, station wagons, and buses; general and special purpose heavy and light trucks; fire-fighting, refuse collection, and tanker trucks; and various types of trailers. Tactical vehicles procured under this activity consist of military designed prime movers and general purpose vehicles equipped for support of combat operations.

Justification of Funds

Funds requested in the Fiscal Year 1992 budget total \$77.1 million and consist of the following: \$2.0 million for 45 Commercial Passenger Carrying Vehicles; \$9.0 million for Commercial Cargo Vehicles; \$40.3 million for High Mobility Multipurpose Wheeled Vehicle (HMMWV); \$13.8 million for Logistic Vehicle System (LVS); \$7.9 million for all types of trailers; \$3.7 million for modification kits and \$4.4 million for items costing less than \$2 million.

Funds requested in the Fiscal Year 1993 budget total \$69.2 million and consist of the following: \$2.3 million for 46 Commercial Passenger Carrying Vehicles; \$9.3 million for Commercial Cargo Vehicles; \$48.3 million for High Mobility Multipurpose Wheeled Vehicle (HMMWV); \$5.3 million for all types of trailers; \$3.6 million for modification kits; and \$4.4 million for items costing less than \$2 million.

Budget Activity 6: Engineering and Other Equipment

(In Thousands of Dollars)	
FY 1993 Estimate	\$ 55,411
FY 1992 Estimate	\$ 75,983
FY 1991 Estimate	\$103,361
FY 1990 Estimate	\$126,075

Purpose and Scope of Work

This activity provides for acquisition of combat and service support requirements for earth-moving construction, material handling equipment, power generating and environmental control equipment, fuel dispensing systems, special training devices, and equipment to support Marine Corps facilities.

Justification of Funds

Funds requested for the Fiscal Year 1992 budget total \$76.0 million for the following programs: \$5.5 million for Environment Equipment for military standard air conditioners which are required for cooling, dehumidifying, heating, filtering, and circulating air within tactical equipment; \$3.2 million for Tactical Fuel Systems (TFS) Equipment; \$7.3 million for Power Equipment, Assorted; \$1.0 million for Command Support Equipment; \$0.6 million for Amphibious Raid Equipment; \$8.8 million for Productivity Investment; \$1.1 million for Physical Security Equipment; \$3.0 million for Garrison Mobile Engineer Equipment; \$1.0 million for Warehouse Modernization Equipment; \$2.3 million for Material Handling Equipment; \$7.4 million for First Destination Transportation; \$2.1 million for Lightweight Decontamination System (LDS); \$6.8 million for Training Devices; \$8.0 million for the Shelter Family, which consists of small rigid and knockdown shelters, joining corridors, and complexing kits that provide environment protection in support of operations worldwide; \$5.9 million for the Container Family, which will replace locally assembled, prefabricated wooden mount out boxes and flat and box pallets; \$0.2 million for Chemical Agent Alarm; \$2.4 million for Industrial/Depot Maintenance Equipment; \$9.4 million for essential modification kits and minor programs costing less than \$2 million.

Funds requested for the Fiscal Year 1993 budget total \$55.4 for the following programs: \$10.4 million for Tactical Fuel Systems (TFS) Equipment; \$1.3 million for Assorted Power Equipment; \$3.4 million for Tray Ration Heating System; \$1.0 million for Command Support Investment; \$.6 million for Amphibious Raid Equipment; \$2.4 million for Productivity Engineer Equipment; \$1.5 million for Physical Security Equipment; \$3.1 million for Garrison Mobile Material Handling Equipment; \$1.0 million for Warehouse Modernization Equipment; \$2.2 million for for Lightweight Decontamination System (LDS); \$6.7 million for Training Devices; \$2.1 million for the Shelter Family, which consists of small rigid and knockdown shelters, joining corridors, and complexing kits that provide environmental protection in support of operations worldwide; \$3.0 million for the Container Family, which will replace locally assembled prefabricated wooden mount out boxes and flat and box pallets; \$1.1 million for Chemical Agent Alarm; \$5.6 million for Industrial/Depot Maintenance Equipment; \$4.4 million for minor programs costing less than \$2 million.

# Budget Activity 7: Spares and Repair Parts

	(In Thousands of Dollars)
FY 1993 Estimate	\$ 69,574
FY 1992 Estimate	\$ 82,191
FY 1991 Estimate	\$ 50,000
FY 1990 Estimate	\$ 63,995

## Purpose and Scope of Work

These funds are required for procurement of depot repairable spares (replenishment spares) and repair parts essential for the continued support of end items, and for initial allowance (initial spares) of peculiar depot spares and repair parts to support new equipment/systems being introduced into the Marine Corps.

## Justification of Funds

The FY 1992 program totals \$82.2 million and consists of \$41.0 million for initial spares and \$41.2 million replenishment spares. The FY 1993 request totals \$69.6 million and following list is provided:

## Initial Spares

Weapons & Tracked Combat Vehicles  
 Guided Missiles and Equipment  
 Communications/Electronics Equipment (Tel)  
 Support Vehicles  
 Engineering Equipment

	(Dollars in Millions)
	<u>FY 1992</u>
	<u>FY 1993</u>

	.4	.7
	.2	2.8
	14.9	10.2
	21.5	19.5
	1.2	.9
	<u>2.8</u>	<u>1.7</u>

Subtotal

## Replenishment Spares

	41.0	35.8
	<u>41.2</u>	<u>33.8</u>
Total	82.2	69.6